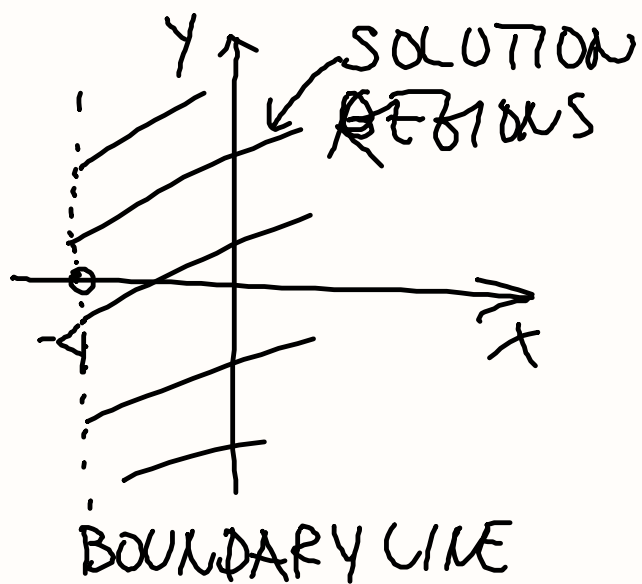


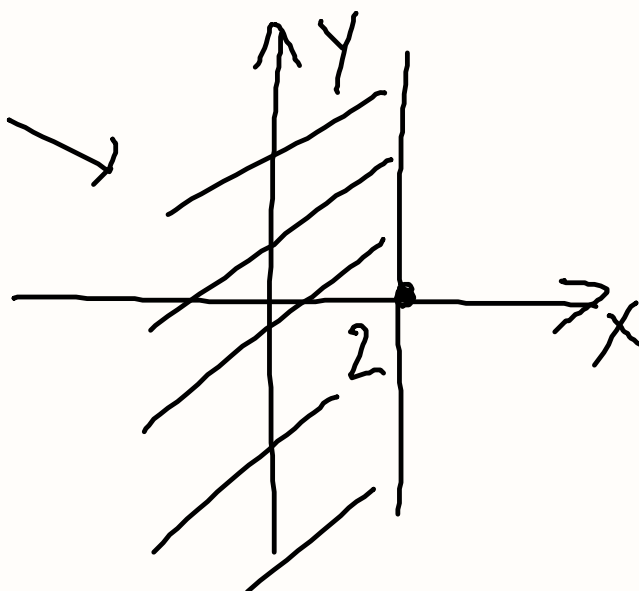
CH. 3.3.

p. 174 EX. 4

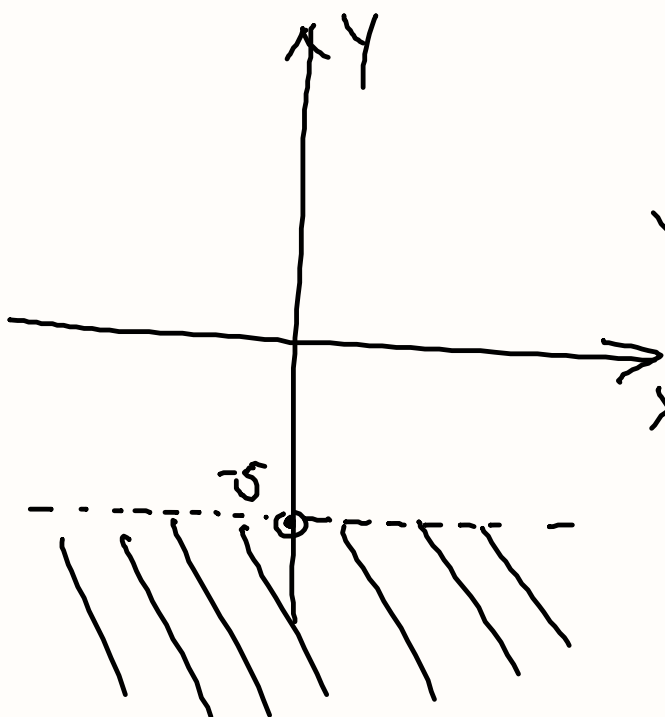
$$x > -4$$



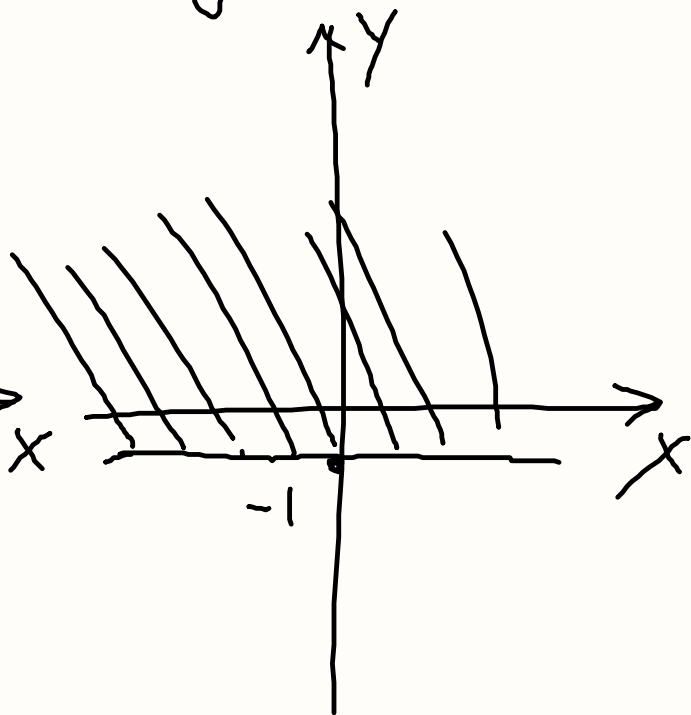
$$x \leq 2$$



$$y < -5$$



$$y \geq -1$$



INEQUALITIES HAVE TO BE
SOLVED FOR $x \geq$ OR $y <$; $y \geq$
 $x <$

$$-x < 5$$

MULTIPLY BY (-1)

$$x > -5$$

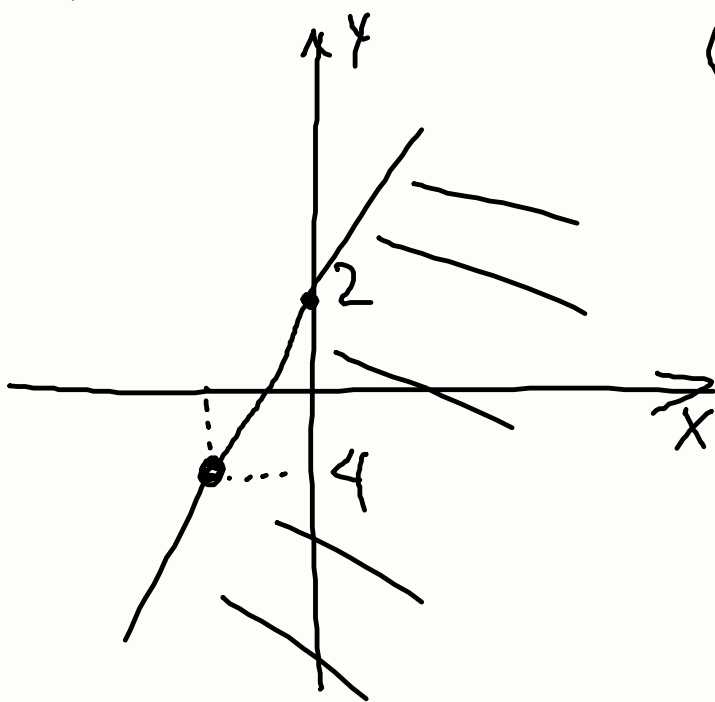
$$\frac{\cancel{2} \cdot \cancel{2}}{\cancel{2} \cdot \cancel{2}}$$

$$-\frac{2}{3}x > -1$$

MULTIPLY BY
OPPOSITE RECIPROCAL
OF A NUMBER IN
FRONT OF x $(-\frac{3}{2})$

$$x < \frac{3}{2}$$

p.176 #29



$$y = mx + b$$

$$m = \frac{\text{rise}}{\text{run}} = \frac{6}{2} = 3$$

$$b = 2$$

$$y = 3x + 2$$

$$y > 3x + 2$$

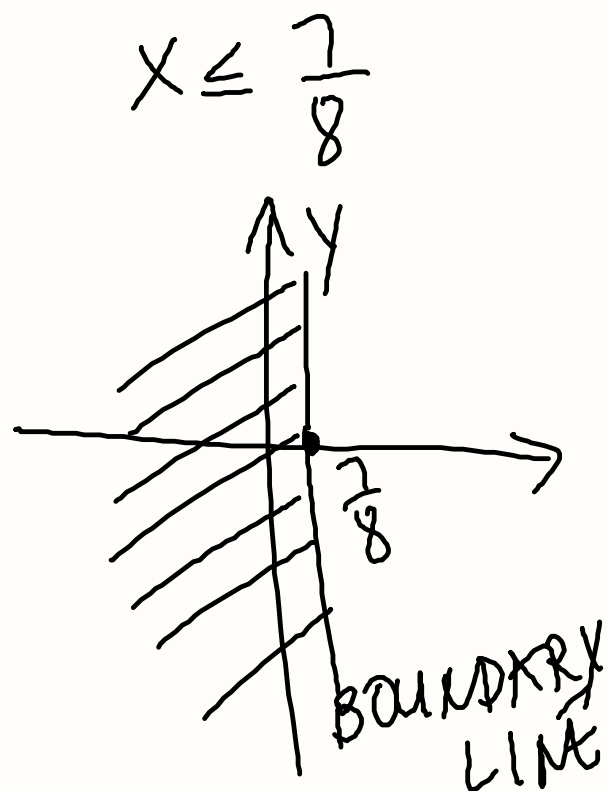
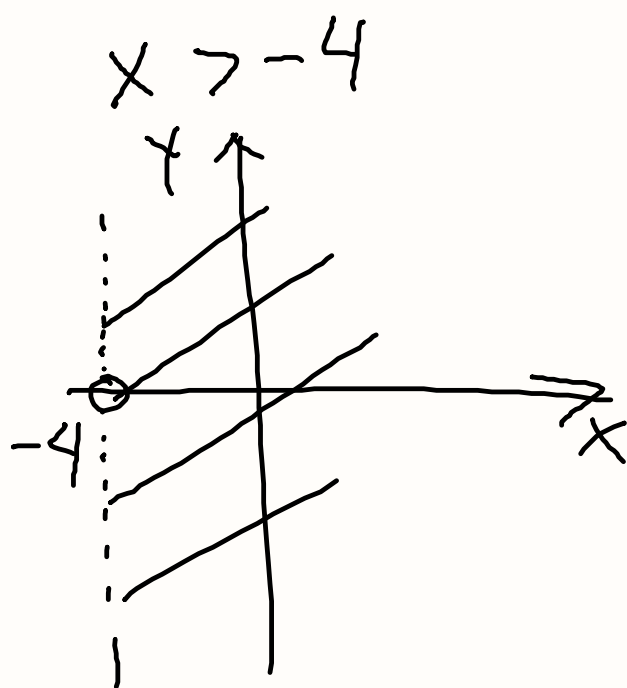
PRACTICE p.177 #29-43 odd

ALSO p.950 bottom ch.3.3
11-21 odd

HOME p.950 bottom ch.3.3

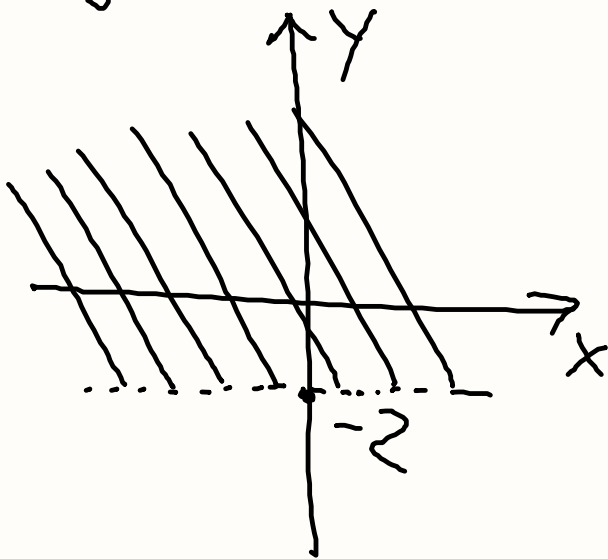
10, 12, 16, 18, 20, 24

CH.3.3 p.174 ex.2.



$$\begin{array}{l} -2y < 4 \\ \div -2 \quad \div -2 \end{array}$$

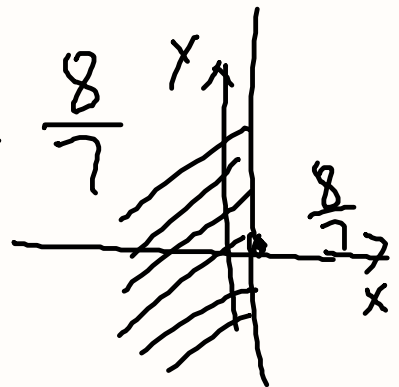
$$y > -2$$



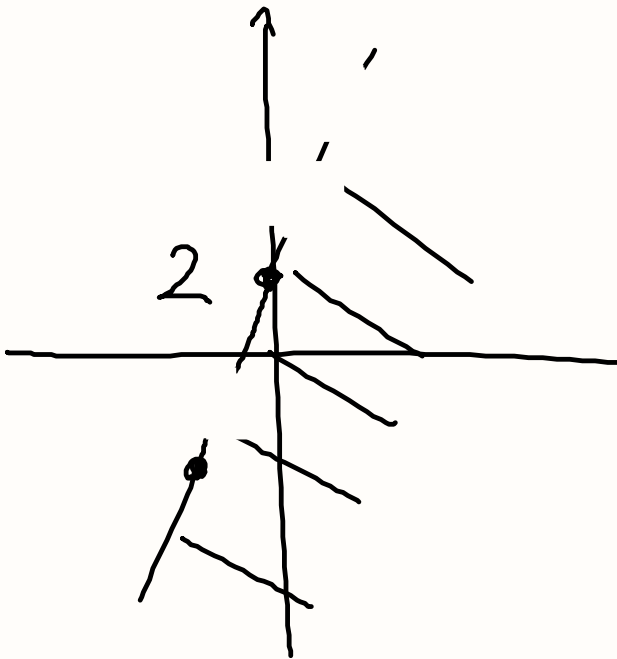
$$\begin{array}{l} -\frac{7}{8}x \geq -1 \\ \cdot -\frac{8}{7} \quad \cdot -\frac{8}{7} \end{array}$$

$$\left(-\frac{7}{8}\right)\left(-\frac{8}{7}\right) = 1$$

$$x \leq \frac{8}{7}$$



#29 p.176



$$y > mx + b$$

$$b = 2$$

$$m = \frac{\text{rise}}{\text{run}} = \frac{6}{2} = 3$$

$$y > 3x + 2$$

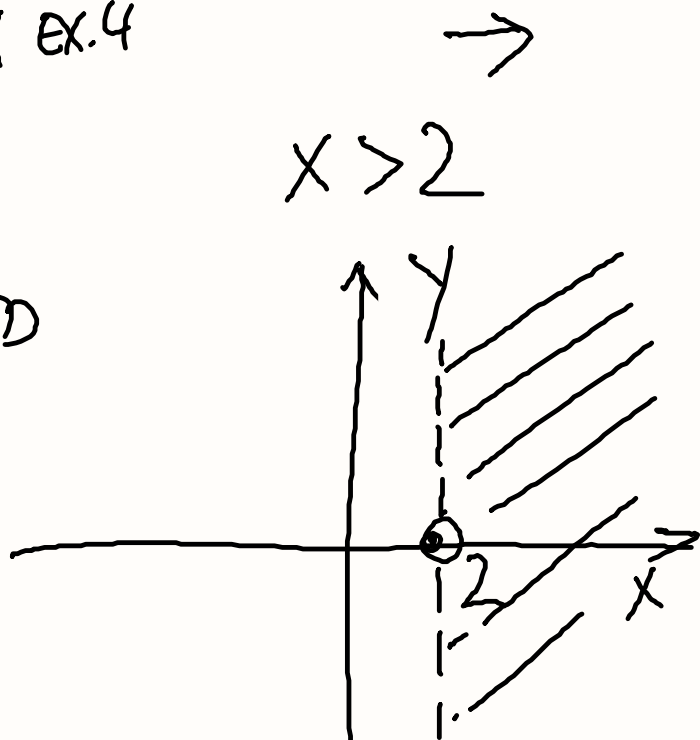
CH. 3.3 p. 174 ex. 4

$$-2x < -4$$

HAS TO BE SOLVED
FOR X

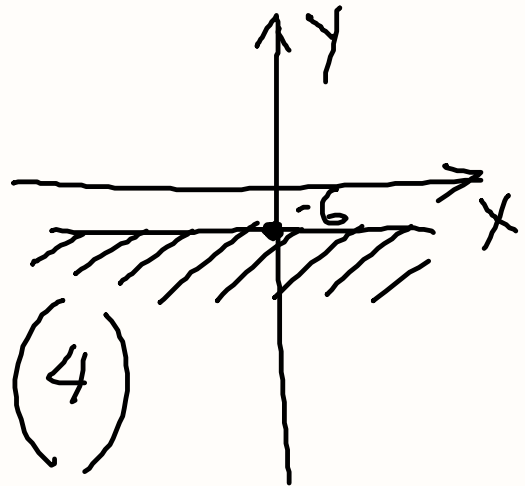
DIVIDE BY (-2)

$$\frac{-2x}{-2} < \frac{-4}{-2}$$



SOLUTION IS ANY POINT
IN THE SHADED REGION

$$-\frac{2}{3}y \geq 4$$

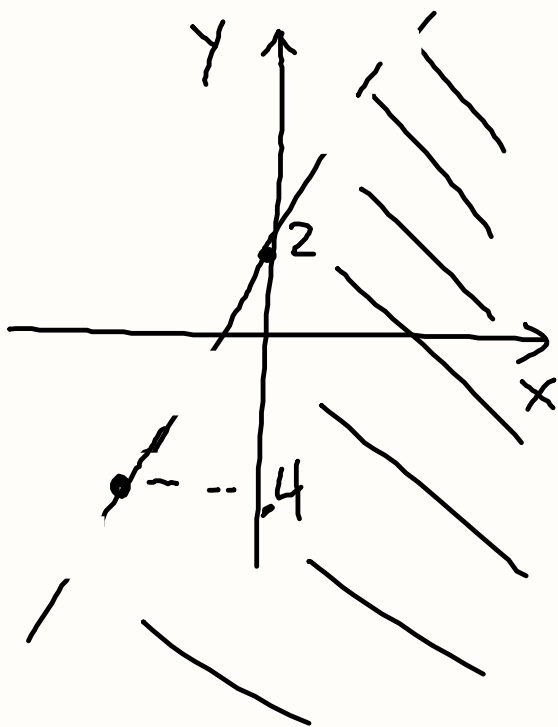


$$\left(\frac{-3}{2}\right)\left(\frac{2}{3}\right)y \geq \left(\frac{-3}{2}\right)(4)$$

$$y \leq -\frac{12}{2} \quad \left(\frac{-3}{2}\right)\left(\frac{4}{1}\right)$$

$$y \leq -6$$

#29 p.176



$$y > mx + b$$

$$y > mx + 2$$

$$m = \frac{\text{rise}}{\text{run}} = \frac{6}{2} = 3$$

$$y > 3x + 2$$

CLASS PRACTICE

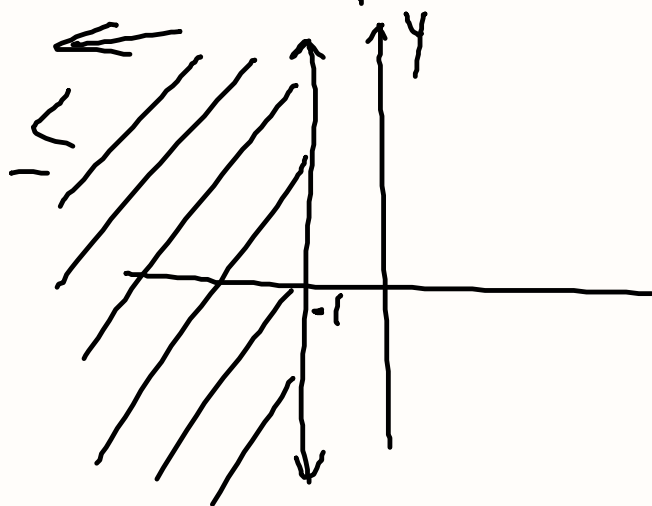
p. 177 #31-43 odd.

#31 Ex 4 p. 174

p. 950 BOTTOM ch. 3.3 11-21 odd

HOME: p. 950 bottom ch. 3.3
#10, 12, 16, 18, 20, 24

#31 p.126



$$x \leq -1$$

#41 p. 177

$$\cancel{(7)} \frac{3-12y}{7} < 0 \quad (7)$$

$$\begin{array}{rcl} 3-12y < 0 \\ -3 & & -3 \end{array}$$

$$\begin{array}{rcl} -12y < -3 \\ \div -12 & & \div -12 \end{array}$$

$$y > \frac{3}{12}$$

$$y > \frac{1}{4}$$

